



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JAN 10 2001

In re the Application of:

Prakash Easwaran, et al.

Serial No.: 09/661,629

Filed: 09/13/2000

For: Digital Subscriber Line (DSL) Modem Compatible with Home Networks

Docket No.: TI-31194

TC 2600 MAILROOM

Art Unit: 2631

Examiner: TBD

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JAN 31 2001

Technology Center 2600

LETTER TO THE OFFICIAL DRAFTSPERSON

Assistant Commissioner for

Patents  
Washington, D. C. 20231

MAILING CERTIFICATE UNDER 37 C.F.R. §1.8(A)  
I hereby certify that the above correspondence is being  
deposited with the U.S. Postal Service as First Class Mail  
in an envelope addressed to: Commissioner of Patents  
and Trademarks, Washington, D.C. 20231.

J. Dennis Moore, Reg. No. 28,885

Date

1/4/01

Dear Sir:

Submitted herewith is a set of formal drawings (2 sheets) for the above referenced case. Please charge any necessary fees to Deposit Account No. 20-0668 of Texas Instruments Incorporated. This sheet is enclosed in triplicate.

Respectfully submitted,

J. Dennis Moore  
Attorney for Applicants  
Reg. No. 28,885

Texas Instruments Incorporated  
P. O. Box 655474, MS 3999  
Dallas, Texas 75265  
(972) 917-5646

new



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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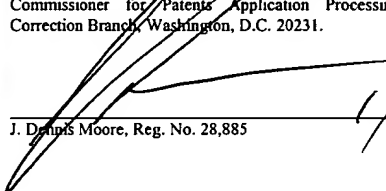
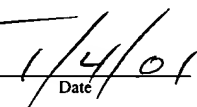
MAR 02 2001

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REQUEST FOR CORRECTED FILING RECEIPT

Assistant Commissioner for Patents  
Application Processing Division's Customer  
Correction Branch  
Washington, DC 20231

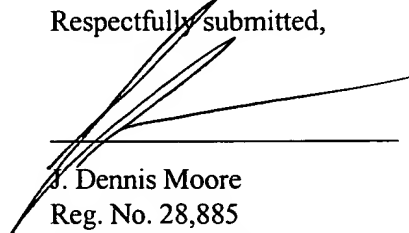
Sir:

|  |  |
|--|--|
| <b>MAILING CERTIFICATE UNDER 37 C.F.R. §1.8(A)</b><br>I hereby certify that the above correspondence is being deposited with the U.S. Postal Service as First Class Mail in an envelope addressed to: Assistant Commissioner for Patents Application Processing Division's Customer Correction Branch, Washington, D.C. 20231. |  |
| <br>J. Dennis Moore, Reg. No. 28,885   | <br>Date 1/4/01 |

Enclosed is a copy of the Filing Receipt for United States Patent Application Serial Number 09/661,629.

Please note the change marked in red. Please amend the spelling of the circled word to **EASWARAN** as indicated on the enclosed copy of the unsigned Declaration mailed in with the non-provisional application. Please charge any fees to Deposit Account No. 20-0668 of Texas Instruments for this correction. **This form is submitted in triplicate.**

Respectfully submitted,

  
J. Dennis Moore  
Reg. No. 28,885  
Attorney for Applicants

TEXAS INSTRUMENTS INCORPORATED  
P.O. Box 655474, MS 3999  
Dallas, TX 75265  
(972) 917-5646



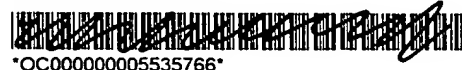
## UNITED STATES PATENT AND TRADEMARK OFFICE

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WASHINGTON, D.C. 20231  
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| APPLICATION NUMBER | FILING DATE | GRP ART UNIT | FIL FEE REC'D | ATTY. DOCKET NO.          | DRAWINGS | TOT CLAIMS | IND CLAIMS |
|--------------------|-------------|--------------|---------------|---------------------------|----------|------------|------------|
| 09/661,629         | 09/13/2000  | 2631         | 0             | TI-<br>31194/TXN-<br>0001 | 4        | 19         | 3          |

Jim Brady  
Texas Instruments Incorporated  
P O Box 655474 M S 3999  
Dallas, TX 75265

## FILING RECEIPT



\*OC000000005535766\*

Date Mailed: 11/07/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s) Easwaran  
Prakash Esawaran, Bangalore, IN ;  
Sandeep Oswal, Bangalore, IN ;

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MAR 02 2001

Continuing Data as Claimed by Applicant

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Foreign Applications

If Required, Foreign Filing License Granted 11/06/2000

Title

Digital subscriber line (DSL) modem compatible with home networks

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NOV 10 2000

Preliminary Class  
375

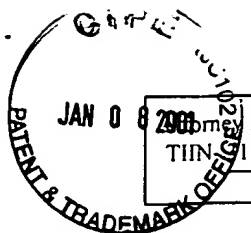
BEN KROGER

Data entry by : WYATT, DEBRA

Team : OIPE

Date: 11/07/2000





Docket No:  
THN-1194/TXN-001

## APPLICATION FOR UNITED STATES PATENT DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I declare that my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor if only one name is listed below, or an original, first and joint inventor if plural inventors are named below, of the subject matter which is claimed and for which a patent is sought on the invention entitled as set forth below, which is described in the attached specification; that I have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in the oath or declaration; that no application for patent or inventor's certificate on this invention has been filed by me or my legal representatives or assigns in any country foreign to the United States of America; and that I acknowledge my duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, section 1.56.

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

|   |   |
|---|---|
| TITLE OF INVENTION: Digital Subscriber Line (DSL) Modem Compatible With Home Networks   |   |
| POWER OF ATTORNEY: I HEREBY APPOINT THE FOLLOWING ATTORNEYS TO PROSECUTE THIS APPLICATION AND TRANSACT ALL BUSINESS IN THE PATENT AND TRADEMARK OFFICE CONNECTED THEREWITH:<br>Frederick J. Telecky, Jr., Reg. No. 29,979<br>Jay Cantor, Reg. No. 19,906<br>William B. Kempler, Reg. No. 28,228<br>Bret J. Petersen, Reg. No. 37,417<br>Gerald E. Laws, Reg. No. 39,268<br>Narendra R. Thappeta, Reg. No. 41,416<br>Robert D. Marshall, Jr., Reg. No. 28,527<br>Wade James Brady, III, Reg. No. 32,080<br>W. Daniel Swayze, Jr., Reg. No. 34,478<br>Mark E. Courtney, Reg. No. 36,491<br>Warren L. Franz, Reg. No. 28,716 |   |
| SEND CORRESPONDENCE TO: Mr. Jim Brady<br>Texas Instruments Incorporated<br>P. O. Box 655474, M.S. 3999<br>Dallas, Texas 75265   | DIRECT TELEPHONE CALLS TO:<br>Mr. Jim Brady<br>(972) 917-4371 |
| NAME OF INVENTOR:<br>Prakash EASWARAN   | NAME OF INVENTOR:<br>Sandeep OSWAL                            |
| RESIDENCE: Bangalore, Karnataka (India)   | RESIDENCE: Bangalore, Karnataka (India)                       |
| POST OFFICE ADDRESS: same as above  | POST OFFICE ADDRESS: same as above                            |
| COUNTRY OF CITIZENSHIP: India   | COUNTRY OF CITIZENSHIP: India                                 |
| SIGNATURE OF INVENTOR:<br>i   | SIGNATURE OF INVENTOR:  |
| DATE:   | DATE:   |

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Bib Data Sheet

|                                    |   |                     |                               |   |
|------------------------------------|---|---------------------|-------------------------------|---|
| <b>SERIAL NUMBER</b><br>09/661,629 | <b>FILING DATE</b><br>09/13/2000<br><b>RULE</b> _ | <b>CLASS</b><br>375 | <b>GROUP ART UNIT</b><br>2631 | <b>ATTORNEY DOCKET NO.</b><br>TI-31194/TXN-0001 |
|------------------------------------|---|---------------------|-------------------------------|---|

**APPLICANTS**

Prakash Easwaran, Bangalore, IN ;  
Sandeep Oswal, Bangalore, IN ;

\*\* CONTINUING DATA \*\*\*\*\*

\*\* FOREIGN APPLICATIONS \*\*\*\*\*

IF REQUIRED, FOREIGN FILING LICENSE  
GRANTED \*\* 11/06/2000

|  |                               |                            |                           |                                |
|--|-------------------------------|----------------------------|---------------------------|--------------------------------|
| Foreign Priority claimed<br><input type="checkbox"/> yes <input type="checkbox"/> no   | <b>STATE OR COUNTRY</b><br>IN | <b>SHEETS DRAWING</b><br>4 | <b>TOTAL CLAIMS</b><br>19 | <b>INDEPENDENT CLAIMS</b><br>3 |
| 35 USC 119 (a-d) conditions met<br><input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance |                               |                            |                           |                                |
| Verified and Acknowledged<br>Examiner's Signature _____ Initials _____   |                               |                            |                           |                                |

**ADDRESS**

Jim Brady  
Texas Instruments Incorporated  
P O Box 655474 M S 3999  
Dallas ,TX 75265

**TITLE**

Digital subscriber line (DSL) modem compatible with home networks

|                                   |   |  |
|-----------------------------------|---|--|
| <b>FILING FEE RECEIVED</b><br>840 | FEES: Authority has been given in Paper<br>No. _____ to charge/credit DEPOSIT ACCOUNT<br>No. _____ for following: | <input type="checkbox"/> All Fees                              |
|                                   |   | <input type="checkbox"/> 1.16 Fees ( Filing )                  |
|                                   |   | <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) |
|                                   |   | <input type="checkbox"/> 1.18 Fees ( Issue )                   |
|                                   |   | <input type="checkbox"/> Other _____                           |
|                                   |   | <input type="checkbox"/> Credit                                |